

RAW SEQUENCE LISTING

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Application Serial Number: 10/537,280

Source: PCT - EFS

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DATE: 01/09/2006

PATENT APPLICATION: US/10/537,280

TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt

Output Set: N:\CRF4\01092006\J537280.raw

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3 <110> APPLICANT: Sanders, Jane
4     Furmaniak, Jadwiga
5     Smith, Bernard Rees
7 <120> TITLE OF INVENTION: Binding Partners for the Thyrotropin Receptor and uses
thereof
9 <130> FILE REFERENCE: URQU.P-016
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/537,280
C--> 13 <141> CURRENT FILING DATE: 2005-05-27
15 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005171
16 <151> PRIOR FILING DATE: 2003-11-28
19 <150> PRIOR APPLICATION NUMBER: GB 0227964.4
20 <151> PRIOR FILING DATE: 2002-11-29
22 <150> PRIOR APPLICATION NUMBER: GB 0302140.9
23 <151> PRIOR FILING DATE: 2003-01-29
25 <150> PRIOR APPLICATION NUMBER: GB 0315147.9
26 <151> PRIOR FILING DATE: 2003-06-27
28 <160> NUMBER OF SEQ ID NOS: 38
30 <170> SOFTWARE: PatentIn version 3.1
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33 <211> LENGTH: 121
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
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40 1                    5                    10                    15
43 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
44                20                25                30
47 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
48                35                40                45
51 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
52                50                55                60
55 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
56 65                70                75                80
59 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
60                85                90                95
63 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
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68                115                120
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72 <211> LENGTH: 5
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 2

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79 1 5
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83 <211> LENGTH: 17
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
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93 Gly
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 12
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
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105 1 5 10
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 131
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 5
115 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
116 1 5 10 15
119 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
120 20 25 30
123 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
124 35 40 45
127 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
128 50 55 60
131 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
132 65 70 75 80
135 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
136 85 90 95
139 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
140 100 105 110
143 Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
144 115 120 125
147 Val Phe Pro
148 130
151 <210> SEQ ID NO: 6
152 <211> LENGTH: 111
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 6
158 Leu Thr Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Arg Gln
159 1 5 10 15
162 Arg Val Thr Ile Ser Cys Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn
163 20 25 30

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166 Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu
167          35          40          45
170 Ile Tyr Tyr Asp Asp Gln Leu Pro Ser Gly Val Ser Asp Arg Phe Ser
171          50          55          60
174 Gly Ser Arg Ser Gly Thr Ser Ala Ser Leu Ala Ile Arg Gly Leu Gln
175 65          70          75          80
178 Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Thr Ser Trp Asp Asp Ser Leu
179          85          90          95
182 Asp Ser Gln Leu Phe Gly Gly Gly Thr Arg Leu Thr Val Leu Gly
183          100          105          110
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 13
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
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194 1          5          10
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 7
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 8
204 Tyr Asp Asp Gln Leu Pro Ser
205 1          5
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209 <211> LENGTH: 11
210 <212> TYPE: PRT
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 9
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216 1          5          10
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220 <211> LENGTH: 363
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 10
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227 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg 120
229 cccgggaaag gcctagagtg gatgggcagg attgatecta ctgactctta taccaactac 180
231 agtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac 240
233 ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa 300
235 ccgggctata gcagcacctg gtccgtaaat tggggccagg gaaccctggt caccgtctcc 360
237 tca 363
240 <210> SEQ ID NO: 11
241 <211> LENGTH: 15
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 11
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Input Set : N:\efs\10537280_efs\URQUP16_seq.txt

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249 <210> SEQ ID NO: 12
250 <211> LENGTH: 51
251 <212> TYPE: DNA
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258 <210> SEQ ID NO: 13
259 <211> LENGTH: 36
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapiens
263 <400> SEQUENCE: 13
264 ctcgaaaccgg gctatagcag cacctgggtcc gtaaat      36
267 <210> SEQ ID NO: 14
268 <211> LENGTH: 394
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 14
273 caaatgcagc tgggtgcagtc tggagcagag gtgaaaaagc ccgggggagtc tctgaagatc      60
275 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg      120
277 ccggggaaaag gcctagagtg gatgggcagg attgatccta ctgactctta taccaactac      180
279 agtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac      240
281 ctgcagtggg gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa      300
283 ccgggctata gcagcacctg gtccgtaaat tggggccagg gaaccctggt caccgtctcc      360
285 tcagcctcca ccaagggccc atcgggtcttc cccc      394
288 <210> SEQ ID NO: 15
289 <211> LENGTH: 333
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 15
294 ctgcctgtgc tgactcagcc accctcgggtg tctggagccc ccaggcagag ggtcaccatc      60
296 tcctgttctg gaaacagctc caacatcgga aataatgctg taaactggta ccagcagctc      120
298 ccaggaaaag ctccaaact cctcatttat tatgatgata aactgccctc aggggtctct      180
300 gaccgattct ctggctccag gtctggcacc tccgcctccc tggccatccg tgggctccag      240
302 tctgaggatg aggctgatta ttactgtaca tcatgggatg acagcctgga tagtcaactg      300
304 ttcggcggag ggaccaggct gaccgtccta ggt      333
307 <210> SEQ ID NO: 16
308 <211> LENGTH: 39
309 <212> TYPE: DNA
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 16
313 tctggaaaaca gctccaacat cggaataaat gctgtaaac      39
316 <210> SEQ ID NO: 17
317 <211> LENGTH: 21
318 <212> TYPE: DNA
319 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 17
322 tatgatgata aactgccctc a      21
325 <210> SEQ ID NO: 18
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327 <212> TYPE: DNA
 328 <213> ORGANISM: Homo sapiens
 330 <400> SEQUENCE: 18
 331 acatcatggg atgacagcct ggatagtcaa ctg
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 335 <211> LENGTH: 119
 336 <212> TYPE: PRT
 337 <213> ORGANISM: Mus sp.
 339 <400> SEQUENCE: 19
 341 Asp Val Gln Ile Gln Gln Pro Gly Thr Glu Leu Val Lys Pro Gly Ala
 342 1 5 10 15
 345 Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
 346 20 25 30
 349 Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
 350 35 40 45
 353 Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe
 354 50 55 60
 357 Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
 358 65 70 75 80
 361 Met His Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
 362 85 90 95
 365 Ser Arg Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly
 366 100 105 110
 369 Thr Thr Leu Thr Val Ser Ser
 370 115
 373 <210> SEQ ID NO: 20
 374 <211> LENGTH: 5
 375 <212> TYPE: PRT
 376 <213> ORGANISM: Mus sp.
 378 <400> SEQUENCE: 20
 380 Thr Tyr Trp Met His
 381 1 5
 384 <210> SEQ ID NO: 21
 385 <211> LENGTH: 17
 386 <212> TYPE: PRT
 387 <213> ORGANISM: Mus sp.
 389 <400> SEQUENCE: 21
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 392 1 5 10 15
 395 Gly
 399 <210> SEQ ID NO: 22
 400 <211> LENGTH: 10
 401 <212> TYPE: PRT
 402 <213> ORGANISM: Mus sp.
 404 <400> SEQUENCE: 22
 406 Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr
 407 1 5 10
 410 <210> SEQ ID NO: 23
 411 <211> LENGTH: 124

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VERIFICATION SUMMARY

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Input Set : N:\efs\10537280_efs\URQUP16_seq.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date